

# Comparisons of Job Characteristics

Focus Occupation: **Surgeons (29-1067)**

Associated Occupation: **Podiatrists (29-1081)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Surgeons (29-1067)

Associated Occupation: Podiatrists (29-1081)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Medicine and Dentistry	3.7	22.6	25.0	> Current knowledge level is likely sufficient
Customer and Personal Service	11.3	17.3	17.6	0 Current knowledge level may be sufficient
Biology	3.7	15.8	16.8	0 Current knowledge level may be sufficient
Therapy and Counseling	3.8	10.6	14.4	>> Current knowledge level is likely more than sufficient
Sales and Marketing	5.2	10.1	7.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Surgeons (29-1067)

Associated Occupation: Podiatrists (29-1081)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Reading Comprehension	10.7	17.1	19.5	> Skill level is likely sufficient
Active Learning	8.7	15.7	17.3	> Skill level is likely sufficient
Active Listening	11.0	15.5	17.0	0 Current skill level may be sufficient
Critical Thinking	10.8	15.0	16.9	> Skill level is likely sufficient
Social Perceptiveness	9.1	14.5	13.6	0 Current skill level may be sufficient
Judgment and Decision Making	9.4	14.2	16.0	> Skill level is likely sufficient
Service Orientation	7.9	13.8	12.3	< A higher skill level may be required
Coordination	9.1	12.9	11.9	0 Current skill level may be sufficient

Instructing	7.8	12.8	13.8	0	Current skill level may be sufficient
Science	4.5	12.7	16.0	>>	Skill level is likely more than sufficient
Management of Personnel Resources	6.9	11.4	10.6	0	Current skill level may be sufficient
Management of Material Resources	3.7	7.9	5.6	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	7.4	4.3	<<	Extensive development of skills in this area may be required
Technology Design	2.6	6.4	3.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Surgeons (29-1067)

Associated Occupation: Podiatrists (29-1081)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	18.8	21.8	>	Current ability level is likely sufficient
Oral Comprehension	12.5	16.7	18.0	0	Current ability level may be sufficient
Written Comprehension	11.0	16.4	17.5	0	Current ability level may be sufficient
Inductive Reasoning	10.2	15.9	18.5	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	15.3	17.0	>	Current ability level is likely sufficient
Speech Clarity	10.2	14.7	15.0	0	Current ability level may be sufficient
Speech Recognition	9.9	14.0	13.9	0	Current ability level may be sufficient
Flexibility of Closure	7.8	11.9	13.0	0	Current ability level may be sufficient
Speed of Closure	5.9	10.1	11.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 99

Focus Occupation: Surgeons (29-1067)

Associated Occupation: Podiatrists (29-1081)

Work Activities	Exclusivity of Activity
Administer anesthetics	77
Administer injections	60
Administer medications or treatments	46
Analyze patient activity	73
Apply traction	85
Collect clinical data	56
Conduct patient assessments	69

Fit medical supportive devices	85
Follow confidentiality procedures	58
Follow dental or medical office procedures	68
Follow examining room procedures	84
Follow infectious materials procedures	52
Follow operating room procedures	84
Follow patient care procedures	60
Follow surgical procedures	81
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Observe patient condition	48
Obtain information from clients, customers, or patients	40
Order medical laboratory tests	76
Prescribe or recommend drugs, medical devices or other forms of treatment	76
Take vital signs	56
Treat medical condition of patient	75
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use knowledge of medical terminology	40
Use medical diagnostic techniques	71
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 83

**Focus Occupation: Surgeons (29-1067)**

**Associated Occupation: Podiatrists (29-1081)**

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Electrotherapy equipment	31
Emergency medical services resuscitation products	15
Industry specific software	1
Medical diagnostic x ray products	26
Medical gloves and accessories	19
Medical staff clothing and related articles	17
Surgical clamps and forceps and surgical ligators and related instruments	29
Surgical cutting instruments and snares and related products	24

Surgical dissectors and elevators and picks and related products	56
Surgical distractors and spreaders and separators and related products	90
Surgical equipment and accessories and related products	23
Surgical hammers and mallets and impactors and presses and related products	80
Surgical hand drills and reamers and puncturing instruments and accessories and related products	62
Surgical power equipment and accessories and related products	62
Surgical retractors and related products	43
Suture and related products	23
Suture and surgical tissue closure instruments and related products	33

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.